



Remote Monitoring of Irrigation Pumping Plant Enhancement

CSP -Conservation Practice Enhancement Job Sheet
Natural Resources Conservation Service (NRCS)

October, 2005

CSP Enhancement: Remote Monitoring of Irrigation Pumping Plants

Enhancement Payment: \$250 annually per Pump Monitoring System

Background: Irrigation water and energy costs associated with pumping irrigation water are a critical resource concern. Even the most careful managers cannot manage the water on all of their fields on a continuous basis without increasing the potential for some runoff. Real time information on the status of their irrigation systems helps to prioritize the field visits to observe the system and make necessary adjustments for proper function.

New technology monitors the status of the watering system and notifies the owner when there is a change (e.g., the pump has turned off).

Requirement: The pumping plant monitoring system includes installation of necessary sensors and communication package at the pump with an automated recording and communication system. When combined the system monitors the status of the watering system and notifies the owner/manager of system changes.

The installation is considered complete when the monitoring system is installed at the remote well location and is combined with a functioning automated remote notification system and the annual operation, maintenance, and utilization functions are incorporated as an integral part of the water management system.

Remote Monitoring of Irrigation Pumping Plants Certification

I certify that I have implemented remote monitoring of my irrigation pumping plant(s) and have incorporated this activity into my irrigation water management system operation.

Name: _____ **Date:** _____